



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

April 12, 2019

Ms. Doris Chen & Ms. Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Ms. Doris Chen & Ms. Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/25/19 11:02 through 04/01/19 11:18.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

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CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Ms. Doris Chen & Ms. Fran Verhalen

PHONE: (919) 541-4957 **FAX:** -

FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Ochsner Hospital	9032523-01	Air	03/21/19 14:26	03/25/19 11:02
Acorn and Hwy 44	9032523-02	Air	03/21/19 14:37	03/25/19 11:02
Levee	9032523-03	Air	03/21/19 14:42	03/25/19 11:02
238 Chad Baker	9032523-04	Air	03/21/19 14:49	03/25/19 11:02
Fifth Ward Elementary School	9032523-05	Air	03/21/19 14:45	03/25/19 11:02
Fifth Ward Elementary School	9032523-06	Air	03/21/19 14:45	03/25/19 11:02
East St. John the Baptist High	9032523-07	Air	03/21/19 14:20	03/25/19 11:02
East St. John the Baptist High	9040114-01	Air	03/28/19 14:23	04/01/19 11:18
Levee	9040114-02	Air	03/28/19 14:42	04/01/19 11:18
Ochsner Hospital	9040114-03	Air	03/28/19 14:27	04/01/19 11:18
Fifth Ward Elementary School	9040114-04	Air	03/28/19 14:46	04/01/19 11:18
Fifth Ward Elementary School	9040114-05	Air	03/28/19 14:46	04/01/19 11:18
Acorn and Hwy 44	9040114-06	Air	03/28/19 14:39	04/01/19 11:18
238 Chad Baker	9040114-07	Air	03/28/19 14:54	04/01/19 11:18



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REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 9032523-01

Sampled: 03/21/19 14:26

Pressure @ Receipt: 8.50" Hg

Canister #: 19291

Received: 03/25/19 11:02

Comments: PR-18 Start 14:46 3/20/19

Analyzed: 04/01/19 13:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.225	0.82		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 9032523-02

Sampled: 03/21/19 14:37

Pressure @ Receipt: 7.50" Hg

Canister #: SAT153

Received: 03/25/19 11:02

Comments: PR-17 Start 14:55 3/20/19

Analyzed: 04/01/19 14:28

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.133	0.48		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 9032523-03

Sampled: 03/21/19 14:42

Pressure @ Receipt: 9.50" Hg

Canister #: A21034

Received: 03/25/19 11:02

Comments: PR-28 Start 15:03 3/20/19

Analyzed: 04/01/19 15:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.284	1.03		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 9032523-04

Sampled: 03/21/19 14:49

Pressure @ Receipt: 6.50" Hg

Canister #: 18818

Received: 03/25/19 11:02

Comments: PR-27 Start 15:02 3/20/19

Analyzed: 04/01/19 16:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 9032523-05

Sampled: 03/21/19 14:45

Pressure @ Receipt: 8.50" Hg

Canister #: 18835

Received: 03/25/19 11:02

Comments: Col 1 PR-26 Start 15:08 3/20/19

Analyzed: 04/01/19 17:33

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 9032523-06

Sampled: 03/21/19 14:45

Pressure @ Receipt: 7.00" Hg

Canister #: 19278

Received: 03/25/19 11:02

Comments: Col 2 PR-29 Start 15:08 3/20/19

Analyzed: 04/01/19 19:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 9032523-07

Sampled: 03/21/19 14:20

Pressure @ Receipt: 7.50" Hg

Canister #: SAT073

Received: 03/25/19 11:02

Comments: PR-24 Start 14:40 3/20/19

Analyzed: 04/01/19 21:40

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.00380	0.01	U	0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 9040114-01

Sampled: 03/28/19 14:23

Pressure @ Receipt: 7.00" Hg

Canister #: SAT031

Received: 04/01/19 11:18

Comments: PR-24 Start 13:54 3/27/19 Past 30 day can cleaning

Analyzed: 04/01/19 22:42

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.639	2.32		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 9040114-02

Sampled: 03/28/19 14:42

Pressure @ Receipt: 9.50" Hg

Canister #: A22328

Received: 04/01/19 11:18

Comments: PR-28 Start 14:17 3/27/19 Past 30 day can cleaning

Analyzed: 04/01/19 23:44

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.91	10.60		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 9040114-03

Sampled: 03/28/19 14:27

Pressure @ Receipt: 8.00" Hg

Canister #: AZ49

Received: 04/01/19 11:18

Comments: PR-18 Start 13:59 3/27/19 Past 30 day can cleaning

Analyzed: 04/02/19 00:46

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.05	7.44		0.00858



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PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 9040114-04

Sampled: 03/28/19 14:46

Pressure @ Receipt: 8.00" Hg

Canister #: SAT023

Received: 04/01/19 11:18

Comments: Col 1 PR-26 Start 14:21 3/27/19 Past 30 day can cleaning

Analyzed: 04/02/19 01:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.54	9.22		0.00858



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PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 9040114-05

Sampled: 03/28/19 14:46

Pressure @ Receipt: 8.00" Hg

Canister #: 5099

Received: 04/01/19 11:18

Comments: Col 2 PR-29 Start 14:21 3/27/19 Past 30 day can cleaning

Analyzed: 04/02/19 03:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.76	10.00		0.00858



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PHONE: (919) 541-4957 FAX: -

FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 9040114-06

Sampled: 03/28/19 14:39

Pressure @ Receipt: 8.00" Hg

Canister #: 5139

Received: 04/01/19 11:18

Comments: PR-17 Start 14:14 3/27/19 Past 30 day can cleaning

Analyzed: 04/02/19 05:58

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.110	0.40		0.00858



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REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 9040114-07

Sampled: 03/28/19 14:54

Pressure @ Receipt: 6.50" Hg

Canister #: A21096

Received: 04/01/19 11:18

Comments: PR-27 Start 14:26 3/27/19 Past 30 day can cleaning

Analyzed: 04/02/19 07:00

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.04	7.40		0.00858



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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B9D0107 - Summa Canister Prep

Blank (B9D0107-BLK1)

Prepared & Analyzed: 04/01/19

Chloroprene	ND	ppbv				U
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Duplicate (B9D0107-DUP1)

Source: 9032523-05

Prepared: 03/21/19 Analyzed: 04/01/19

Chloroprene	ND	ppbv	ND		25	U
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Duplicate (B9D0107-DUP2)

Source: 9032523-06

Prepared: 03/21/19 Analyzed: 04/01/19

Chloroprene	ND	ppbv	ND		25	U
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Duplicate (B9D0107-DUP3)

Source: 9040114-04

Prepared: 03/28/19 Analyzed: 04/02/19

Chloroprene	2.68	ppbv	2.54	5.53	25	
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Duplicate (B9D0107-DUP4)

Source: 9040114-05

Prepared: 03/28/19 Analyzed: 04/02/19

Chloroprene	2.62	ppbv	2.76	5.28	25	
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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1904003

Calibration Check (1904003-CCV1)

Prepared & Analyzed: 04/01/19

Chloroprene	2.55	ppbv	2.8	30.00
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FILE #: 0344.00

REPORTED: 04/12/19 11:02

SUBMITTED: 03/25/19 to 04/01/19

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.